WHAT IS CLAIMED IS:

1.   A recording apparatus comprising:

recording means for recording input first data in a recording medium;

input means for inputting a start point and end point of desired second data out of said first data to be recorded or already recorded in said recording medium by said recording means; and

control means, when said start point and end point of said second data are designated through said input means, for controlling said recording means so as to endlessly-record said first data in said recording medium while avoiding the recording region of said recording medium in which said second data has been recorded.

2.   The recording apparatus according to claim 1, wherein

said recording medium is a recording medium capable of non linear access.

3.   The recording apparatus according to claim 1, further comprising

reproducing means for reproducing said first data recorded in said recording medium, wherein

said start point and end point of said desired second data are input by input means from said first data reproduced by said reproducing means.

4.   The recording apparatus according to claim 3, wherein
said reproducing means reproduces said first data recorded in
said recording medium after a passage of a predetermined time in
order of recording said first data in said recording medium.

5.   The recording apparatus according to claim 1, wherein
said control means, when said recording means is controlled so
as to endless-record said data in said recording medium, endless-
records said first data in a first region of said recording medium,
and when said start point and end point of said second data are
input through said input means, controls said recording means so as
to endless-record said first data in said first region while
avoiding a predetermined second region out of said first region of
said recording medium.

6.   The recording apparatus according to claim 1, wherein
said control means controls said recording means so as to
record said first data in a first region of said recording medium,
and controls said recording means so as to generate assisting data
for identifying said first data and record the assisting data in a
second region different from said first region of said recording
medium.

7.   The recording apparatus according to claims 1 and 3, wherein
said control means controls said recording means so as to

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record said first data in a first region of said recording medium;
controls said recording means so as to generate assisting data for
identifying said first data and record the assisting data in a
second region different from said first region of said recording
medium; further controls said reproducing means so as to reproducing
said assisting data recorded in said second region of said recording
medium when reproducing said first data by said reproducing means;
and when said start point and end point of said second data are
input by said input means, controls said recording means so as to
generate said assisting data corresponding to said start point and
end point and record said assisting data in said second region of
said recording medium.

8.   The recording apparatus according to claim 6 and/or claim 7,
wherein

said assisting data comprises a file name corresponding to
said first and/or second data, a time code added to said first
and/or second data, and a head address of said recording medium in
which said first and/or second data are recorded.

9.   A recording/reproducing apparatus for recording input data in
a recording medium capable of non linear access, and reproducing and
outputting the recorded data, comprising:

recording means for recording input first data in said
recording medium;

input means for inputting a start point and end point of desired second data out of said first data to be recorded or already recorded in said recording medium by said recording means;

control means, when said start point and end point of said second data are input through said input means, for controlling said recording means so as to endlessly record said first data in said recording medium while avoiding the recording region of said recording medium in which said second data has been recorded; and

reproducing means for reproducing and outputting said first data recorded in said recording medium.

10.   The recording/reproducing apparatus according to claim 9, wherein

the start point and end point of said desired second data are input by said input means from said first data reproduced by said reproducing means.

11.   The recording/reproducing apparatus according to claim 9, wherein

said reproducing means reproduces said first data recorded in said recording medium after a passage of a predetermined time in order of recording said first data in said recording medium.

12.   The recording/reproducing apparatus according to claim 9, wherein

said control means, when controlling said recording means so
as to endlessly-record said first data in said recording medium,
endless-records said first data in a first region of said recording
medium, and when said start point and end point of said second data
are input through said input means, controls said recording means so
as to endlessly-record said first data in said first region while
avoiding a predetermined second region out of said first region of
said recording medium (endlessly-recording in a predetermined region
on a HD).

13. The recording/reproducing apparatus according to claim 9,
wherein

said control means controls said recording means so as to
record said first data in a first region of said recording medium,
and controls said recording means so as to generate assisting data
for identifying said first data and record the assisting data in a
second region different from said first region of said recording
medium (recording in a predetermined region of a file system HD).

14. The recording/reproducing apparatus according to claim 9,
wherein

said control means controls said recording means so as to
record said first data in a first region of said recording medium;
controls said recording means so as to generate assisting data for
identifying said first data and record the assisting data in a

second region different from said first region of said recording

medium; further controls said reproducing means so as to reproduce

said assisting data recorded in said second region of said recording

medium when said first data is reproduced by said reproducing means;

and when said start point and end point of said second data are

input by said input means, controls said recording means so as to

generate said assisting data corresponding to said start point and

end point and record said assisting data in said second region of

said recording medium (file system renewal).

15.   The recording/reproducing apparatus according to claims 13 and

14, wherein

said assisting data comprises a file name corresponding to

said first and/or second data, a size of said first and/or second

data, a time code added to said first and/or second data, and a head

address of said recording medium in which said first and/or second

data are recorded (contents of file system).

16.   A recording method for recording input first data in a

recording medium capable of non linear access, comprising:

first step of endlessly-recording said first data in said

recording medium and inputting a start point and/or end point of

desired second data out of said first data to be recorded or already

recorded in said recording medium; and

second step, when said start point and/or end point of said

desired second data are/is input at said first step, of endlessly-recording said first data in said recording medium while avoiding a recording region of said recording medium in which said second data corresponding to said start point and/or end point out of said first data has been recorded.

17.   The recording method according to claim 16, wherein

said first step reproduces said first data endlessly-recorded in said recording medium, and inputs said start point and end point of said desired second data from said reproduced first data.

18.   The recording method according to claim 17, wherein

said first step reproduces said endlessly-recorded first data after a passage of a predetermined time, and inputs said start point and/or end point of said desired second data from said reproduced first data.

19.   The recording method according to claim 16, wherein:

said first step endlessly-records said first data in a first region of said recording medium; and

said second step, when said start point and/or end point of said desired second data are/is input at said first step, endlessly-records said first data in said first region while avoiding said second region of said recording medium in which said second data corresponding to said start point and/or end point out of said first

data has been recorded (endlessly-recording in a predetermined region of HD).

20. The recording method according to claim 16, wherein said first step endlessly-records said first data in said first region of said recording medium, generates assisting data for identifying said first data, and records the assisting data in a second region different from said first region of said recording medium (recording in a predetermined region of file system HD).

21. The recording method according to claims 16 and 17, wherein: said first step endlessly-records said first data in a first region of said recording medium, generates assisting data for identifying said first data, which is recorded in a second region different from said first region of said recording medium, and further, when reproducing said first data, reproduces said assisting data recorded in said recording medium; and said second step, when said start point and/or end point of said desired second data are/is input at first step, generates said assisting data corresponding to said start point and/or end point, and records said assisting data in said second region of said recording medium (file system renewal).

22. The recording method according to claim 20 and/or claim 21, wherein

said assisting data comprises a file name corresponding to said first and/or second data, a time code added to said first and/or second data, and a head address of said recording medium in which said first and/or second data has been recorded.

23. A recording/reproducing method for recording input data in a recording medium capable of non linear access, and reproducing and outputting the recorded data, comprising:

first step of endlessly-recording input first data in said recording medium, and inputting a start point and/or end point of desired second data out of first data to be recorded or already recorded in said recording medium;

second step, when said start point and/or end point of said desired second data are input at first step, of endlessly-recording said first data in said recording medium while avoiding a recording region of said recording medium in which second data corresponding to said start point and/or end point out of said first data has been recorded; and

third step of reproducing and outputting said first data recorded in said recording medium.

24. The recording/reproducing method according to claim 23, wherein

said start point and/or end point of said desired second data are/is input at said first step from said first data reproduced at

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said third step.

25.   The recording/reproducing method according to claim 24,
wherein

    said third step reproduces said first data endlessly-recorded
in said recording medium after passage of a predetermined time, and
inputs said start point and/or end point of said desired second data
from said reproduced first data.

26.   The recording/reproducing method according to claim 23,
wherein:

    said first step endlessly-records said first data in a first
region of said recording medium; and

    said second step, when said start point and/or end point of
said desired second data are/is input at said first step, endlessly-
records said first data in said first region while avoiding said
second region of said recording medium in which said second data
corresponding to said start point and/or end point out of said first
data has been recorded (endlessly-recording in a predetermined
region of HD).

27.   The recording/reproducing method according to claim 23,
wherein

    said first step endlessly-records said first data in a first
region of said recording medium, generates assisting data for

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identifying said first data, and records the assisting data in a second region different from said first region of said recording medium (recording in a predetermined region of file system HD).

28. The recording/reproducing method according to claims 23 and 24, wherein:

said first step endlessly-records said first data in a first region of said recording region, generates assisting data for identifying said first data, which is recorded in a second region different from said first region of said recording medium, and further, when said first data is reproduced at said third step, also reproduces said assisting data recorded in said recording medium; and

said second step, when said start point and/or end point of said desired second data are/is input at said first step, generates said assisting data corresponding to said start point and/or end point and records said assisting data in said second region of said recording medium (file system renewal).

29. The recording/reproducing method according to claim 27 and/or claim 28, wherein

said assisting data comprises a file name corresponding to said first and/or second data, a time code added to said first and/or second data, and a head address of said recording medium in which said first and/or second data has been recorded.